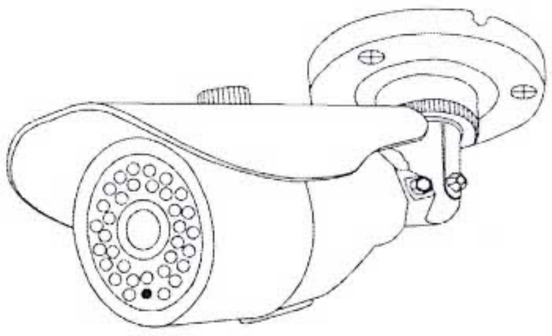
Weatherproof IR Camera
User Manuel

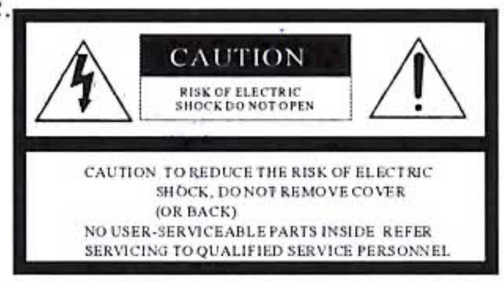


DESCRIPTION

This weatherproof IR camera adopt high sensitivity sensor and advanced circuit design, the resolution up to 550TVL, support automatic white balance, high S/N Ratio, clear picture, with the function of color to black automatically, with IR-CUT filter design, easily have 24 hours day and night. Fashionable and professional exterior design and special all-in-one all directional bracket, makes round-the-clock surveillance easy and convenient.

ATTENTION

Thank you for your purchasing this product. Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.


CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

1. Use the Appropriate Power Supply
   The input power for the camera is DC12V. Be sure to connect it to the appropriate power. Wrong connection may cause malfunction and/or damage to the video camera.
2. Do not attempt to disassemble the camera.
   To prevent electric shock, do not remove screws or covers. There are no user serviceable parts inside. Ask a qualified service person for servicing.
3. Handle the camera with care.
   Do not abuse the camera. Avoid striking, shaking, etc. The camera could be damaged by improper handling or storage.
4. Do not expose the camera to rain or moisture, or try to operate it in wet areas. Do not place the camera in the following locations:
   ①Locations where temperature is lower than -10C or higher than 50C;
   ②Locations where humidity is higher than 95%;
   ③Locations where there are large amounts of water vapor and steam.
5. Do note use strong or abrasive detergents when cleaning the camera body. Use a dry cloth to clean the camera when dirty. In case the dirt is hard to remove. Use a mild detergent and wipe gently.
6. Clean the sensor faceplate with care.
   When cleaning the sensor panel, do not use strong or abrasive detergents. Use a piece of lens tissue or cotton tipped applicator and ethanol.
7. Do not attempt to aim the camera at the sun
   Do not attempt to aim the camera at the sun or other extremely bright objects that causes mear to appear irrespective of whether the camera is operating or not. This can damage the sensor.
8. Do not put the camera in a place with interference.
   When this camera is installed near the equipment like wireless communication device which emits strong electromagnetic field, some irregularity such as noise on monitor screen may happen.

FEATURES

Adopt high performance sensor, the image is clear, exquisite

Auto color to black function

Day and Night Monitoring daytime with enough light, color image, at night, low light, change to black image automatically to improve the sensitivity and picture quality.

High resolution

Up to 550TVL high resolution.

High S/N Ratio.

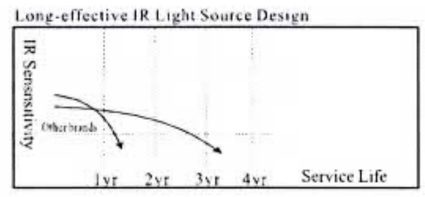
S/N Ratio definition: the ratio between signal voltage and noise voltage, the higher of the ratio, the less interference of the noise, and the image is more clearer.

IR-CUT

Built-in filter switch-over device, ensures the cameras work properly both in day and night.

Long-life IR LEDS Design

High-performance IR LED,whose brightness is several times higher and service life longer than an ordinary LED's with 20m IR range.



Bracket

Elegant and solid combined type bracket, with video and power cable built-in. makes installation convenient and reliable.

IP-55 weatherproof standard

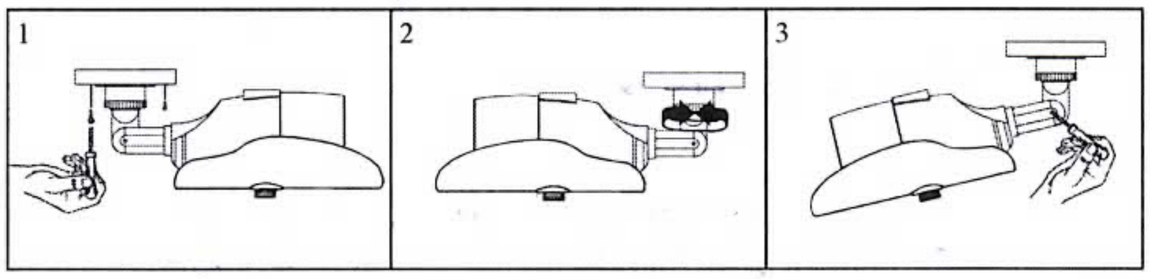
Automatic gain control (AGC)

In order to output standard video signal under different illumination conditions,The amplifier gain need to adjust automatically in large scope.it can increase the sensitivity automatically when low light and enhance the signal output to have a clear bright image.

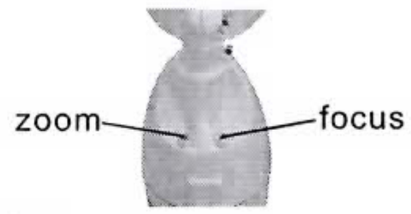
Auto White Balance

ATW is the cameras' reversion of the white objects, it can adjust the room temperature and outside temperature.when the temperature change, the human eye can see that white is white,This is because human eye can adapt to the changes of the color temperature, but the camera does not perform well equally, when Light occurs , the white color will change to others after shooting. White Balance technology can correct this problem

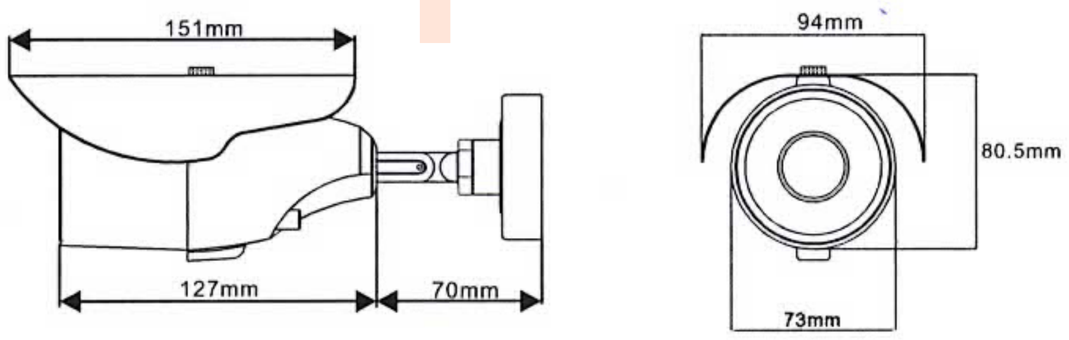
PARTS INSTRUCTION AND INSTALLATION



1. Select a needed place and fix the camera to the wall with screws.
2. Use the allen wrench in the accessory bag to unscrew the angle fixing screw, adjust camera to a needed vertical angle and fix it with a screw.
3. Use the allen wrench in the accessory bag to unscrew the angle fixing screw, adjust camera to a needed horizontal angle and fix it with a screw.



DIMENTION(MM)



SPECIFICATION

Sensor	1/3" High Sensitivity Sensor
video format	PAL/NTSC
resolution	550HTVL
Mini-illumination	0.2Lux (IR OFF), 0Lux (IR ON)
S/N Ration	≥52dB (AGC OFF)
Electronic-shutter speed	1/50(60)~1/12,000s
BLC	Auto
AGC	Auto
White Balun	ATW
Day/Night	Auto
Sync code	Internal
Voltage	DC12V
Current	<350mA
IR-CUT	Auto
Lens	2.8-12mm
IR range	25m
Weatherproof standard	Ip55
Video output	1.0Vp-p/75ohm
Storage temperature	-20℃~50℃
Operate Temperature	-10℃~50℃
Size	151(L)*80.5(H) *94(W)
Weight	515g

*Specifications subject to change without notice.